

CLAIMS

1. A spacer take-up device in an apparatus for processing
a film carrier tape for mounting an electronic component
5 comprising:

a feeding device for feeding a film carrier tape for
mounting an electronic component which is wound upon a reel
through a spacer to a predetermined apparatus for processing
a film carrier tape for mounting an electronic component; and

10 a spacer take-up device for winding the spacer fed out
of the feeding device upon a reel,

wherein a feed driving shaft of the reel of the feeding
device is coupled to a driving motor, and

a take-up driving shaft of the spacer take-up device is
15 coupled to a motor through a clutch, thereby taking up the spacer
at a constant tension.

2. The spacer take-up device in the apparatus for processing
a film carrier tape for mounting an electronic component
20 according to claim 1, wherein an amount of take-up of the spacer
take-up device is set to be greater than that of the feeding
device, thereby taking up the spacer at a constant tension.

3. The spacer take-up device in the apparatus for processing

a film carrier tape for mounting an electronic component according to claim 1 or 2, wherein the clutch is always set in a slip state in such a manner that the motor for the take-up driving shaft is always rotated at a higher speed than a predetermined speed, and the tension to be applied to the spacer is thus set within a predetermined tension.

4. A spacer take-up method in an apparatus for processing a film carrier tape for mounting an electronic component comprising:

a feeding device for feeding a film carrier tape for mounting an electronic component which is wound upon a reel through a spacer to a predetermined apparatus for processing a film carrier tape for mounting an electronic component; and
a spacer take-up device for winding the spacer fed out of the feeding device upon a reel,

wherein a feed driving shaft of the reel of the feeding device is coupled to a driving motor, and

a take-up driving shaft of the spacer take-up device is coupled to a motor through a clutch, thereby taking up the spacer at a constant tension.

5. The spacer take-up method in the apparatus for processing a film carrier tape for mounting an electronic component

according to claim 4, wherein an amount of take-up of the spacer take-up device is set to be greater than that of the feeding device, thereby taking up the spacer at a constant tension.

- 5 6. The spacer take-up method in the apparatus for processing a film carrier tape for mounting an electronic component according to claim 4 or 5, wherein the clutch is always set in a slip state in such a manner that the motor for the take-up driving shaft is always rotated at a higher speed than a
10 predetermined speed, and the tension to be applied to the spacer is thus set within a predetermined tension.